

## CLAIMS

What is claimed is:

- 1           1.     A pointer instrument, comprising:  
2                 a printed circuit board;  
3                 first and second instrument mechanisms independently arranged on said  
4 printed circuit board such that the printed circuit board is between the first and second  
5 instrument mechanisms; and  
6                 first and second pointers having concentric pivoting axes, wherein said  
7 first instrument mechanism acts on said first pointer and said second instrument  
8 mechanism acts on said second pointer, said first and second instrument mechanisms  
9 having essentially concentric rotational axes.
  
- 1           2.     The pointer instrument of claim 1, wherein said second instrument  
2 mechanism is arranged below said printed circuit board with respect to said first and  
3 second pointers and said first instrument is arranged above said printed circuit board  
4 with respect to said first and second pointers, said first instrument mechanism  
5 comprising a hollow shaft connecting said first instrument mechanism to said first  
6 pointer, and said second mechanism comprising a shaft connecting said second  
7 instrument mechanism to said second pointer, wherein said shaft of said second  
8 instrument mechanism passes through said printed circuit board and through said  
9 hollow shaft of said first instrument mechanism.

1                   3.     The pointer instrument of claim 2, further comprising an optical fiber  
2 between said hollow shaft of said first instrument mechanism and said shaft of said  
3 second instrument mechanism which extends through said hollow shaft, said optical  
4 fiber being arranged to illuminate second pointer.

1                   4.     The pointer instrument of claim 1, wherein said second instrument  
2 mechanism is arranged below said printed circuit board with respect to said first and  
3 second pointers and said first instrument is arranged above said printed circuit board  
4 with respect to said first and second pointers, said second instrument mechanism  
5 comprising a bracket connecting said second instrument mechanism to said second  
6 pointer, said bracket projecting through a cutout in said printed circuit board, said cutout  
7 being arc-shaped and located essentially concentrically with respect to the pivoting axis  
8 of said second pointer.

1                   5.     The pointer instrument of claim 4, further comprising an optical  
2 fiber, wherein said bracket passes through said optical fiber.

1                   6.     The pointer instrument of claim 4, wherein said cutout through  
2 which said bracket projects defines a path which extends along an arc that is a  
3 maximum of 90°.

1                   7.     The pointer instrument of claim 4, wherein said second pointer  
2 comprises an area of said bracket which points radially inwards with respect to the  
3 pivoting axes of said first and second pointers and is above said printed circuit board.

1                   8.     The pointer instrument of claim 4, further comprising a hollow shaft  
2 element connecting said bracket to said second pointer, and a shaft connecting said  
3 first pointer to said first instrument mechanism, said shaft passing through said hollow  
4 shaft.

1                   9.     The pointer instrument of claim 4, wherein said bracket is a light  
2 guide element.

1                   10.    The pointer instrument of claim 4, further comprising a light guide  
2 element arranged on said bracket.

1                   11.    An instrument panel comprising a printed circuit board and at least  
2 two pointer instruments arranged on said printed circuit board, said at least two pointer  
3 instruments having pointer pivoting axes which are essentially parallel to one another,  
4 wherein at least one of said at least two pointer instruments comprises first and second  
5 instrument mechanisms independently arranged on said printed circuit board such that  
6 the printed circuit board is between the first and second instrument mechanisms, and  
7 first and second pointers having concentric pivoting axes, wherein said first instrument  
8 mechanism acts on said first pointer and said second instrument mechanism acts on  
9 said second pointer, said first and second instrument mechanisms having essentially  
10 concentric rotational axes.

1                   12.    The instrument panel as claimed in claim 11, wherein at least one  
2 pointer instrument of said at least two pointer instruments has an only one pointer and

- 3 instrument mechanism, wherein one pointer and instrument mechanisms of said at least
- 4 one pointer instrument are arranged above said printed circuit board.